



MATERIAL SAFETY DATA SHEET



Prepared in accordance with ISO 11014-1/ ANSI standard
Z400.1-2004

Revision Date: 8/26/2010

MSDS No.: ND3141

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ND Patch – All Colors

Synonyms: Nylon Patch

Use of the Substance/Preparation: Thread locking and sealing.

Supplier:

ND Industries, Inc.
1893 Barrett Road
Troy, Michigan 48084
Tel: (248) 288-0000
Fax: 248) 288-0022

Emergency Telephone Number: 24 hr. EMERGENCY CHEMTREC
1-800-424-9300

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW-CAUTION: Powder may form explosive mixtures with air. May cause eye and skin irritation.

Principle Routes of Exposure: Eyes, skin, Inhalation.

POTENTIAL HEALTH EFFECTS:

Eye Contact: Particles in the eye may cause mechanical irritation.
Skin Contact: May cause skin irritation.
Inhalation: Inhalation of dust can cause irritation of nose, throat, and lungs, headache, nausea, and dizziness.
Ingestion: Not expected to be a route of entry under normal industrial use conditions.
Carcinogenic Effects: No data is available on the product itself.
Target Organ Effects: No data is available on the product itself.
Medical Conditions Aggravated by Exposure: No data is available on the product itself.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | EINECS Number | Weight % | EU Classification |
|------------------|---------------|---------------|----------|-------------------|
| Nylon | Not hazardous | n/a | 75-85 | None |
| Nylon terpolymer | Not hazardous | n/a | 10-15 | None |
| Limestone | 1317-65-3 | 215-279-6 | 8-12 | None |

4. FIRST AID MEASURES

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| Skin Contact: | Wash affected area with plenty of soap and water. |
| Eye Contact: | Flush eyes with plenty of water, also under the eyelids. If irritation develops or persists seek medical attention. |
| Inhalation: | Move to fresh air. If breathing has stopped, provide rescue breathing. If unconscious place in recovery position. Seek immediate medical attention. |
| Ingestion: | Never give anything by mouth to an unconscious person. Drink one glass of water. Seek medical attention. |

5. FIRE AND IGNITION INFORMATION

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| Flash Point | Not applicable. |
| Explosion Limits in Air – Upper (%): | 70% (V) |
| Explosion Limits in Air – Lower (%): | 30% (V) |
| Auto-ignition Temperature: | Not established. |
| Extinguishing Media: | Dry powder, foam, water mist or fog, or sand. |
| Special Protective Equipment for Firefighters: | Fire fighters should wear full protective gear including self-contained breathing apparatus. |
| Specific Hazards: | Do not allow run-off from fire fighting to enter drains or water courses. Dusts at sufficient concentrations can form explosive mixtures with air. DO NOT use a solid stream of water as this may create a potentially explosive airborne dust mixture. |
| Hazardous Decomposition and/or Combustion Products: | Irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition. Thermal decomposition may yield carbon, and nitrogen oxides. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions: | Avoid breathing dust. Wear suitable protective equipment. Avoid generating airborne dust during clean up operations. Remove sources of ignition. |
| Methods for Cleaning Up: | Sweep or vacuum spills. DO NOT use a brush or compressed air as this may generate a cloud of dust. Use non-sparking, rated or intrinsically safe tools. Place spilled material in suitable container for disposal. |
| Environmental Precautions: | Do not allow spilled material to enter drains, sewers, rivers or other water courses. |

7. HANDLING AND STORAGE

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| Handling: | Avoid formation of dusts and aerosols. Avoid breathing dust. Avoid contact with eyes and skin. Wear appropriate protective equipment. During processing, dust may form explosive mixture in air. Use adequate ventilation when working with this product. |
| Storage: | Store in a cool, dry, well-ventilated location. Keep container tightly closed when not in use. Do not store for extended periods above 80°F (27°C). |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Exposure limits for those components with limits are stated below.

Dust: US OSHA – PEL: 15 mg/m³ (total dust)
US OSHA – PEL: 5 mg/m³ (respirable fraction)
US ACGIH – TLV: 10 mg/m³ TWA (total dust)

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

TWA: Time Weighted Average

US ACGIH: United States American Conference of Governmental Industrial Hygienists

US OSHA: United States Occupational Safety and Health Administration

ENGINEERING CONTROLS

Use explosion proof local exhaust ventilation with a minimum capture velocity of 100 ft/ min (0.5 m/sec) at the point of vapor evolution.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Not require if airborne concentrations are maintained below the exposure limits. A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use.

Hand Protection: For prolonged or repeated contact wear protective gloves.

Eye Protection: Use chemical splash goggles, (ANSI Z87.1 or approved equivalent).

Other: Wash hands after using this product, and before eating, drinking, smoking or using the lavatory.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fine powder. Color varies.

Odor: None.

pH Not applicable.

Vapor Pressure: Not applicable.

Boiling Point/Range: Not applicable.

Melting Point/Range: 284-374°F (140-190°C).

Water Solubility: Negligible.

Specific Gravity: 1.10 ± 0.15

% Volatile (by Volume): <1%.

Evaporation Rate: Not applicable.

Viscosity: Not applicable.

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous Polymerization: Will not occur.

Mechanical Sensitivity (shock): Not applicable.

Conditions to Avoid: Static discharge. Strong acids and oxidizing agents.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

| | |
|-------------------------|---|
| Oral LD50: | No data is available on the product itself. |
| Inhalation LC50: | No data is available on the product itself. |
| Dermal LC50: | No data is available on the product itself. |
| Eye Irritation: | No data is available on the product itself. |
| Skin Irritation: | No data is available on the product itself. |

CHRONIC TOXICITY

| | |
|-------------------------------|---|
| Carcinogenic Effects: | No data is available on the product itself. |
| Mutagenic Effects: | No data is available on the product itself. |
| Reproductive Toxicity: | No data is available on the product itself. |
| Sensitizing Effects: | No data is available on the product itself. |
| Synergistic Materials: | No data is available on the product itself. |

12. ECOLOGICAL INFORMATION

Information given is based on data on the components and the toxicology of similar products.

Aquatic Toxicity: Aquatic toxicity is unlikely due to low solubility.

ENVIRONMENTAL FATE

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|--|---|
| Mobility: | No data is available on the product itself. |
| Bioaccumulation: | No data is available on the product itself. |
| Persistence / Degradability: | No data is available on the product itself. |
| Distribution to Environmental Compartments: | No data is available on the product itself. |

13. DISPOSAL CONSIDERATIONS

Disclaimer: Information in this section pertains to the product as shipped in its intended composition as described in Section 2 of this MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

RCRA Classification (40 CFR 261): Dispose of in accordance with all applicable local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

Not regulated for transport.

15. REGULATORY INFORMATION**Hazard Classification**

United States – OSHA (29 CFR 1910.1200): This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Mexico – NOM-018-STPS: Not established.

Canada – WHMIS Classification (CPR, SOR/88-66): Not established.

International Inventories

All components of this product are listed on or exempt from the following inventories:

(yes) - United States Toxic Substances Control Act (TSCA) Inventory

U.S. Federal Regulations

TSCA 12(b) Export Notification: None

Clean Air Act amendments of 1990 (CAA, Section 11240: CFR 82): This products contains no Hazardous Air Pollutants (HAPS).

Clean Water Act (CWA, 40 CFR 116): This product contains no priority pollutants.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302): None.

Superfund Amendments and Reauthorization Act, Title III (SARA):

SARA Section 302 (40 CFR 355) Extremely Hazardous Substances: This product contains no EHS.

SARA Section 311/312 (40 CFR 370) Hazard Category: Acute.

SARA Section 313 (40 CFR 372) Toxics Release Inventory: None.

U.S. State Regulations

California Proposition 65: This product does not contain chemical(s) known to the State of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION**HMIS Rating**

HMIS Index: *- chronic, 0 – Minimal, 1 – slight, 2- moderate, 3 – serious, 4 –severe

Health: 1

Flammability: 1

Physical Hazard: 0

Additional Contacts:

Prepared by: ND Industries, Inc. – Safety, Health and Environmental Affaires
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Reasons for Revision: New format

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